

FIG. 1

	(d)
GYRB BACSU	MEQQQNSYDENQIQVLEGLEAVRKRPGMYIGSTNS-KGLHHLVWEIVDNSIDEALAGYCT
GYRB ECOLI	----SNSYDSSSIKVLKGLDAVRKRPGMYIGDTDDGTGLHHMVFEVVDNAIDEALAGHCK
GYRB PSEPU	-MSENQTYDSSSIKVLKGLDAVRKRPGMYIGDTDDGSGLHHMVFEVVDNSIDEALAGHCD
	(a)
GYRB BACSU	DINIQIEKDNSITVVDNNGRGIPVGIHEKMGRPAVEVIMTVLHAGGKFDGSGYKVS GGLHG
GYRB ECOLI	EIIVTIHADNSVSVQDDGRGIPTGIHPEEGVSAAEVIMTVLHAGGKFDNSYKVS GGLHG
GYRB PSEPU	DITVIIHTDESISVRDNGRGIPVDVHKEEGVSAAEVIMTVLHAGGKFDNSYKVS GGLHG
GYRB BACSU	VGASVVNALSTELDVTVHRDGKIHRQTYKRGVPVTDLEIIGETDHTGTTTHFVPDPEIFS
GYRB ECOLI	VGVSVVNALSQKLELVIQREGKIHRQIYEHGVPQAPLAVTGETEKTGTMVRFWPSLETFT
GYRB PSEPU	VGVSVVNALSEKLVLTVRRSGKIWEQTYVHGVPQAPMAVVGESSETTGTHIHFKPSAETFK
GYRB BACSU	ETTEYDYDLLANRVRELAFLTKGVNITIEDKREGQERKNEYHYEGGIKSYVEYLNRSKEV
GYRB ECOLI	NVTEFEYEILAKRLRELSFLNSGVSIIRLRDKRDGKE--DHFHYEGGIKAFVEYLNKNKTP
GYRB PSEPU	N-IHFSWDILAKRIRELSFLNSGVGILLKDERSGKE--EFFKYEGGLRAFVEYLNNTNKT
	(1) (b)
GYRB BACSU	VHEEPIYIEGEK-DGITVEVALQYNDSTYSNIYSFTNNINTYEGGTHEAGFKTGLTRVIN
GYRB ECOLI	IHPNIFYFSTEK-DGIGVEVALQWNDGFQENIYCFTNNIPQRDGGTHLAGFRAAMTRTLN
GYRB PSEPU	VNSQVFHFHSVQREDGVGEVALQWNSDFNENLLCFTNNIPQRDGGTHLVGFRSSLTRSLN
	(h) (e)
GYRB BACSU	DYARKKGLIKENDPNLSGDDVREGLTAIISIKHPDPQFEGQTKTKLGNSEARTITDTLFS
GYRB ECOLI	AYMDKEGYSKKAKVSATGDDAREGLIAVVSVKVPDPKFSSQTKDKLVSSEVKSAVEQQMN
GYRB PSEPU	SYIEQEGGLAKKNKVATTGDDAREGLTAIISVKVPDPKFSSQTKDKLVSSEVKTAVEQEMN
	(k) (i)
GYRB BACSU	TAMETFMLENPDAAKKIVDKGLMAARARMAAKKARELTRRKSALISNLPGLADCSSKD
GYRB ECOLI	ELLAEYLLNPTDAKIVVGKIIDAAARAREARRAREMTRRKALDLA GLPGLADQCQERD
GYRB PSEPU	KYFSDFLLENPNEAKAVVGKMIIDAAARAREARKAREMTRRKALDIAGLPGLADQCQEKD
	(g)
GYRB BACSU	PSISELYIVEGDSAGGSAKQGRDRHFQAILPLRGKILNVEKARLDKILSNNEVRSMITAL
GYRB ECOLI	PALSLEYLVEGDSAGGSAKQGRNRKNQAILPLKGKILNVEKARFDKMLSSQEVATLITAL
GYRB PSEPU	PALSLEYLVEGDSAGGSAKQGRNRRTQAILPLKGKILNVEKARFDKMISSQEVGTLITAL
	(c)
GYRB BACSU	GTGIGED-FNLEKARYHKVVIMTDADV DGAHIRTLLLTFFRYMRQIIENGYVYIAQPPL
GYRB ECOLI	GCGIGRDEYNPDKLRYSIIIMTDADV DGS HIRTLLLTFFYRQMP EIVERGHVYIAQPPL
GYRB PSEPU	GCGIGREEYNIDKLRYNHIIIMTDADV DGS HIRTLLLTFFRQLPELVERGYIYIAQPPL
GYRB BACSU	YKVQQGK-----
GYRB ECOLI	YKVKKGKQEYIKDDEAMDQYQISIALDGATLHTNASAPALAGEALEKLVSEYNATQKMI
GYRB PSEPU	YKVKKGKQEYIKDDEAMEEYMTQSALEDASLHLD ESAPAVSGVQLES LVNEFRSVMKTL
GYRB BACSU	-RVEYAY-----NDKE-----
GYRB ECOLI	NRMERRY PKAMKELIYQPTLT EADLSDEQTVTRWVNALVSELNDKEQHGSQWKFDVHTN
GYRB PSEPU	KRLSRLYPEELTEHFVYLPEVTLEQLGDHAVMQAWLAKLQERLNS SQKSGLAYNASLRED
GYRB BACSU	-----
GYRB ECOLI	AEQNLFEPIVRVRTHGVDTDYPLDHEFITGGEYRRIC TLGEKLRGLLEEDAFIERGERRQ
GYRB PSEPU	KERNVWLPEVEITSHGLASYITFN R DFFGSNDYRTVVNIGAKLSSLLGEGAYVQRGERRK
	(f) (j)
GYRB BACSU	----LEELLKTLTPQTPKP--GLQRYKGLGEMNATQLWETTM DPSSRTLLQVTL EDAMDAD
GYRB ECOLI	PVASFEQALDWLVKESRRGLSIQRYKGLGEMNPEQLWETTM DPESRRMLRVTVKDAIAAD
GYRB PSEPU	AIVEFKEGLDWLMNETTKRHTIQRYKGLGEMNPDQLWETTM DP TVRRMLKVTIEDAIAAD
GYRB BACSU	ETFEMLMGDKVEPRRNFI EANARYVKNLDI
GYRB ECOLI	QLFTTLMGDAVEPRRAFIEENALKAANIDI
GYRB PSEPU	QIFNTLMGDAVEPRREFIESNALS VSNLDF